

548003/01/84

Revised

CITY OF RIVERSIDE
HUMAN RESOURCES DEPARTMENT
CLASSIFICATION SPECIFICATION

**TITLE: PLANT AND EQUIPMENT MECHANIC
(WATER MAINTENANCE MECHANIC)**

DEFINITION

Under general supervision, to perform skilled work in the installation, maintenance, and repair of water production and wastewater treatment plant mechanical and electromechanical machinery and equipment; and to do related work as required.

REPORTS TO:

SUPERVISION RECEIVED AND EXERCISED

EXAMPLES OF DUTIES

Typical duties may include, but are not limited to, the following:

- Operate lathe, milling machine and other machine tools in repair of large pumps, variable speed drives, motors, chain drives, sewerage lift station and related equipment.
- Replace packing in pumps and valves and bearings in motors, pumps, and other equipment.
- Maintain and repair piping systems and to do related plumbing and pipefitting tasks.
- Lubricate equipment and check for malfunctions.
- Use gas and/or arc welding equipment to heat, cut, braze, and weld.
- Install pumps, variable speed drives and motors, controllers, timing devices and assist in installing telemetering electrical equipment.
- Perform general building maintenance and repair, including rough carpentry, pouring and finishing concrete, painting and related work.
- Use of a variety of hand and power hand tools, and may operate overhead traveling and truck cranes.

QUALIFICATIONS

Knowledge of:

- Standard practices, procedures, tools, and materials used in the installation, maintenance, and repair of heavy plant equipment, pumps, motors, controllers, variable speed and chain drives and lift stations.
- General methods of related electrical, carpentry, plumbing, and pipefitting repairs and building maintenance and repair.
- Occupational hazards and safety precautions necessary in the work.
- Practices, procedures, tools, and equipment of machine and welding shops.

Ability to:

- Perform skilled mechanical maintenance and repair work independently.
- Understand and carry out oral and written instructions.
- Work from sketches, blueprints, and manufacturer's diagrams.
- Use and care for hand and power hand tools, machines, and equipment of the mechanical trades.
- Work overtime as required.

Education and Experience:

Any combination of experience and education that would likely provide the required knowledge and abilities is qualifying. A typical way to obtain the knowledge and abilities would be:

Education:

Experience: Three years of experience in the Installation, repair, and maintenance of heavy mechanical equipment such as pumps, motors, vari-speed and chain drives, lift stations and all other related equipment.

MEDICAL CATEGORY: Group 2

NECESSARY SPECIAL REQUIREMENT

Possession of, or ability to obtain, an appropriate, valid class "C" California Motor Vehicle Operator's License.

CAREER ADVANCEMENT OPPORTUNITIES

FROM: Water Maintenance Mechanic

TO: